

-3

1-3

2-3

3-3

4-3

5-3

6-3

7-3

8-3

9-3

-3

1-3

.

2-3

14

2009

- - - - - )

- - - - - - -

( 140 )

( -

( )

.

.

.

)

(73 )

(

(140 )

(2)

% 52.14

(2)

	%13.7	10	9	1	10			1
	%13.7	10	7	3	10			
		-	-	-	10			
		-	-	-	10			
	%13.7	10	10	-	10			2
	%11 -	8	6	2	10			
		-	-	-	10			
	%13.7	10	9	1	10			3
	%13.7	10	9	1	10			
	%13.7	10	9	1	10			4
	%6.8	5	5	-	10			
		-	-	-	10			

		-	-	-	10			
		-	-	-	10			
	%100	73	64	9	140			

3-3

:

-:

. -1

-2

)

.(1

-3

.(2 )

-4

. ( 3 )

-5

. ( 4 )

-6

. (5) )

	-:	
.	MODE 1	-1
.		-2
.	5	-3
.	1	-4
.	Mikasa 200 ME 7	-5
.	( )	-6
.		-7
.		-8
.		-9
.	1	-10
25	1 Sony	-11
.		
.	King – VHS 3	-12
	Pentium III	-13
.( Dartfish )		-14
.	Sony 3	-15



	√	%59.38	193		5
	√	%82.76	269		6
	√	%67.07	218	( + )	7
	√	%65.84	214	( + )	8
	√	%86.46	281	( + + )	9
	√	%56	182		10
	√	%73.53	239		11
	√	%73.23	238		12
	√	%70.46	229		13
	√	%64.92	211		14
√		%48.61	158		15
	√	%74.15	241	( )	16
	√	%53.84	175		17
√		%44.30	144	( )	18
√		%47.38	154	( ) ( )	19
√		%49.23	160	( )	20
√		%38.76	126	( - )	21
√		%43.69	142	( )	22
	√	%55.69	181		23
	√	%64.92	211	( )	24
√		%31.69	103		25
√		%39.69	129	( )	26
	√	%59.07	192		27
	√	%69.53	226		28
	√	%68.6	223		29

	√	%56.30	183		30
	√	%56.30	183		31
	√	%57.84	188	( )	32
	√	%59.38	193		33
√		%50.15	163	( )	34
√		%49.84	162		35
	√	%65.53	213	( )	36
	√	%63.38	206	( )	37
	√	%58.76	191		38
	√	%56.30	138		39
√		%48.30	157		40
√		%50.15	163		41
	√	%53.23	173		42
	√	%57.84	188		43
√		%47.07	153		44
√		45.53	148		45
√		41.53	135		46
√		41.30	134		47
√		44.92	146		48
√		44.30	144		49
√		44.30	144		50



：2-1-4-3

\*( )

(7

(%78 )

) (3)

(4) (

.

(4)

(18)

			2					
	√	%100	3.84	18	0	18		
√		%33.33		2	12	6	)	1
√		%33.33		2	12	6	(	
√		%38.88		0.88	11	7	( )	2
	√	%94.44		14.22	1	17		3
√		%38.88		0.88	11	7		4

：\*

- / . . -1  
- / . . -2  
- / . . . -3

√		%33.33		2	12	6		1
√		%38.88		0.88	11	7		2
√		%72.22		3.55	5	13	( )	
√		%66.66		2	6	12		1
√		%44.44		0.22	10	8		2
√		0		18	18	0		3
√		0		18	18	0		4
√		%38.88		0.88	11	7		5
√		0		18	18	0		6
	√	%100		18	0	18		
	√	%94.44		14.22	1	17	( )	1
√		%27.77		3.55	13	5		2
√		%44.44		0.22	10	8	( )	3
√		%27.77		3.55	13	5		4
√		%66.66		2	6	12		5
	√	%94.44		14.22	1	17		
	√	%83.33		8	3	15		1
√		%66.66		2	6	12		2
√		%66.66		2	6	12		
√		%44.44		0.22	8	10		1
√		%16.66		8	15	3		2
√		%22.22		5.55	14	4	( )	3
√		%27.77		3.55	13	5	( )	4
√		16.66		8	15	3		5

(3) ( 3.84) ( <sup>2</sup> )  
( 0.78 )

.

:

**2-4-3**

(3)

( )

.

(8 )

(11)

.

(6)

.

(5 ) ( % 52.78 )

.

(5)

(18)

			234			
	√	% 59.40	139	-1		
				( )		
√		%23.50	55	-2		
	√	%52.99	124	-3		
				( - )		
√		%42.30	99	-4		
√		%41.02	96	-1		
				( 5 ) ( 4 )		
√		%47.43	111	-2		
	√	%59.97	138	-3		
				. (1) (4)		
	√	%68	167	-4		
				( 6 1 2 4 ) ( B A )		
	√	%60.25	141	-1		
				. (2)		
	√	%61.69	145	-2		
				(3)		
√		%52.12	122	-3		
				. ( 4 )		

:

5-3

"

(1)"

:

-1

. ( 9 )

-2

. (5 )

-3

.

-4

.

-5

.

-6

2009/6/29

(9)

2009/7/5

(3) )

(1)

(2)

(1)

. (

(1)

(1)

:

-1

:

( 9 3 )

1984

:

. 1

(1)

. 79

.

( )

.

(16)

. (5)

(1)

.

.

-2

.

-3

-4

.

： 6-3  
： -1

·  
· \*  
" ( )  
· (1)"

： -2

"  
· (2)"

2009/6/29

2009/7/5

)  
( ) (

\_\_\_\_\_

· 35 2003 \_\_\_\_\_： (1)  
· 653 1985 \_\_\_\_\_： (2)  
(8) \*

( )

(7)

( 2.36 )

.

( 6)

( 0.05 )

:

-3

2009/7/5

(\*) ( )

"

(1)"

( )

( 0.05 )

(7)

(2.36 )

. (6)

:

\_\_\_\_\_ : ( )

(1)

. 154 1988

:

(\*)

. -

. . . -1

. -

. . -2



( 6 )

( )

	( )			( )			
	8.04	0.95		3.93	0.83		1
	18.57	0.99		6.69	0.93		2
	18.56	0.99		4.09	0.84	( 6 4 2 1 ) ( B A )	3
	18.56	0.99		3.93	0.83	(1) (4)	4
	10.55	0.97		6.21	0.92	(2)	5
	10.55	0.97		4.26	0.85	(3)	6

7-3

1-7-3

1-1-7-3

-; (1)

-1

-2

-3

-4

-5

-6

:

2-1-7-3

)

(

(2)

:

( )

: -1

-2

(1)

:

. 225 1999

. 68 1979

(2)

.(2)

-3

. (5)



( 5 )

: (1) -4

: -5

( 6 )



( 6 )

: -6

: -7

-(1)

: -8

: -9

. ( 7 )



( 7 )

: -10

.

: -11

.

\*

.

: -12

: -13

. ( 8 ) . .

---

	:	*
-	/	. . -1
-	/	. . . -2
-	/	. . . -3



( 8 )

:

-14

( 9 )



( 9 )

: -15

.

( )

-(1)

: -16

. (10) .



( 10 )



:

( )

( 11 )



( 11 )



: ( )

-21

( )

. (13) .



( 13 )

( )

:

-22

. ( 14 ) .



( 14 )

:

-23

( )

( 15 )

.



( 15 )

:

-24

( 16 )



( 16 )

:

-25

. ( 17 ) .



( 17 )

)

؛ (1)

(

:

-26

. ( 18 )



( 18 )

:

-27

( 19 )

. 64-63

:

(1)



( 19 )

؛(1)

:-1

:

- = ( 175 - 165 )

. 105

- = ( 185 - 175 )

110

: -2

. 127-125 1984 \_\_\_\_\_ : (1)

$$100 \times \quad =$$

( ) -3

$$\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$$

(F) -4

$$1000 \times \frac{3}{4} = (F)$$

(2) -5



： 2-7-3

(1)

· -  
-  
· -  
· -  
· ( ) -

： 3-7-3

(2)

· :  
· :  
( 20 ) (7)  
) : -  
· ( :  
· : -  
· ( ) 4 -  
· ( ) 3 -  
· ( ) 2 -

( 12-10 ) (1)

· 95 1995

· 293 : (2)

. ( )

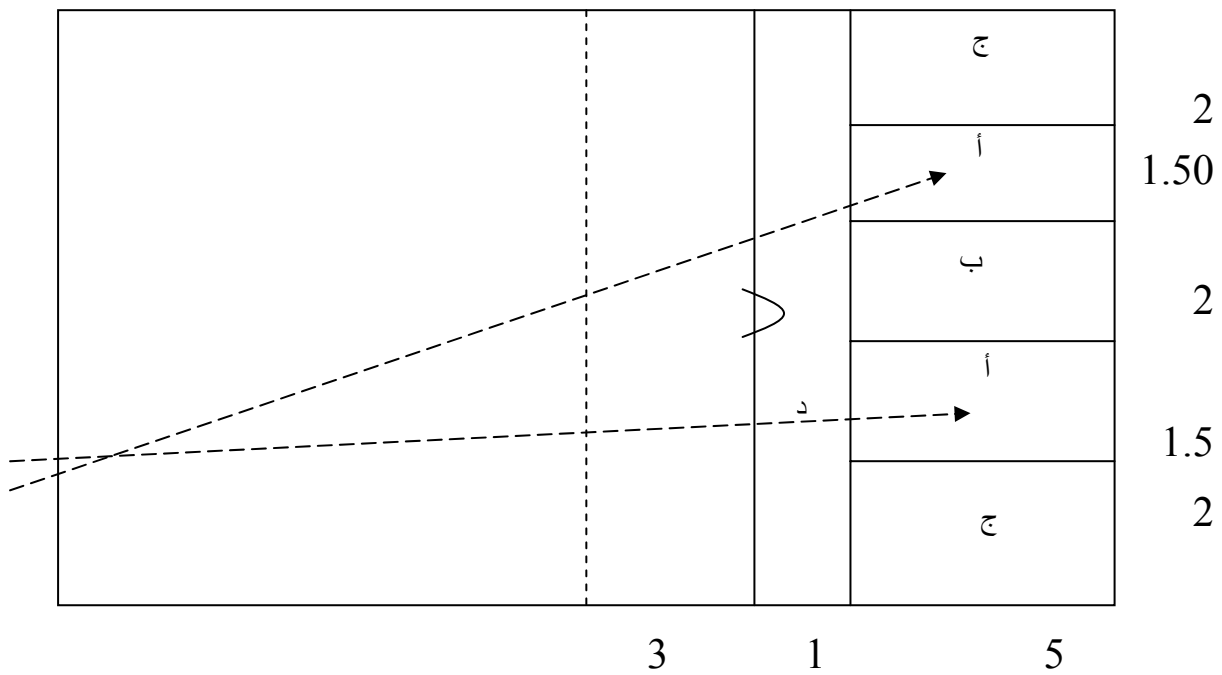
1 -

( ) -

-

-

( 40 )



( 20 )

• (1)

•

•

•

---

•

•

—

(7)

:

—

(21)

(5)

•

•

---

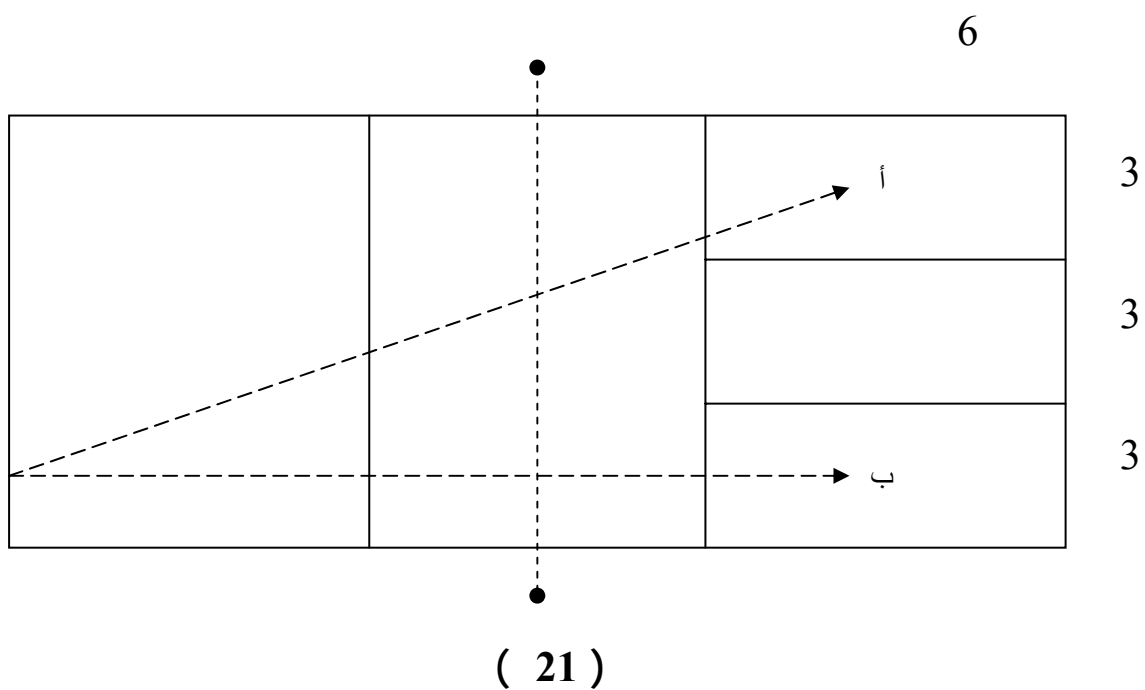
( )

• ( )

4 :

—

(40)



(1)

. 211 1997

1

(1)

( 6 4 2 1 ) :

. ( B , A ) -

(7) :

5 :

. (22)

1 ) :

(3) ( 6 4 2

(6) ( 6 1 ) 3 ( 2 4 )

...

(2) (4) :

. (A) (2) ( B )

(B ) ( A ) (4) :

. (3)

( ) (2)

( )

(64 ) (32) :

...



.

( )

3

.

( )

2

.

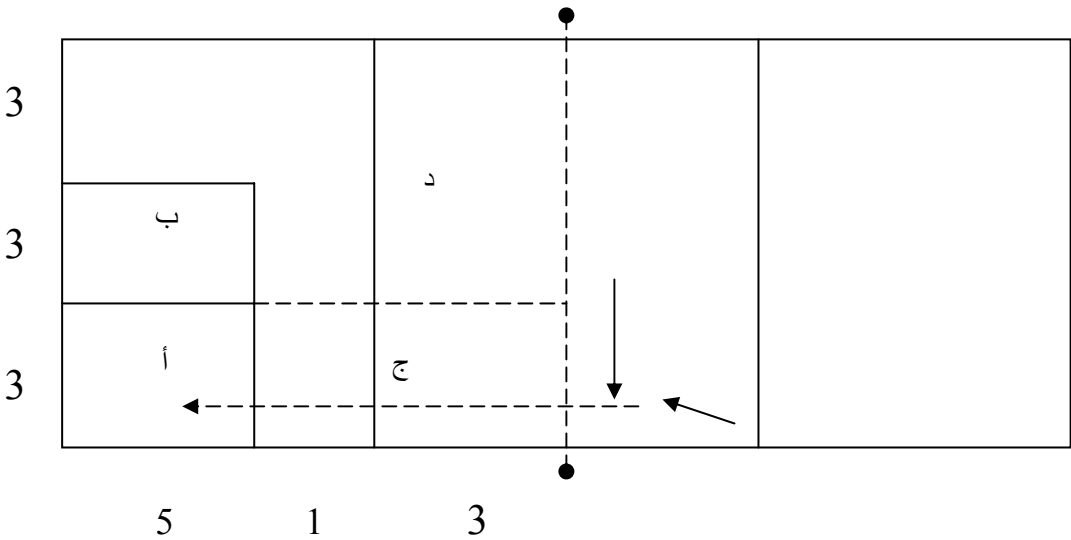
( )

1

.

( )

( 40 )



(23)

(1)

(4)

– (1)

(2)

•

•

---

. (2)

•

•

—

(5)

:

—

(24)

•

(2)

$$- \frac{1}{2}$$

—

•

:

(10)

•

•

—

• ( )

4

• ( )

3

• ( )

2

• ( )

1

( )

•

—

•

—

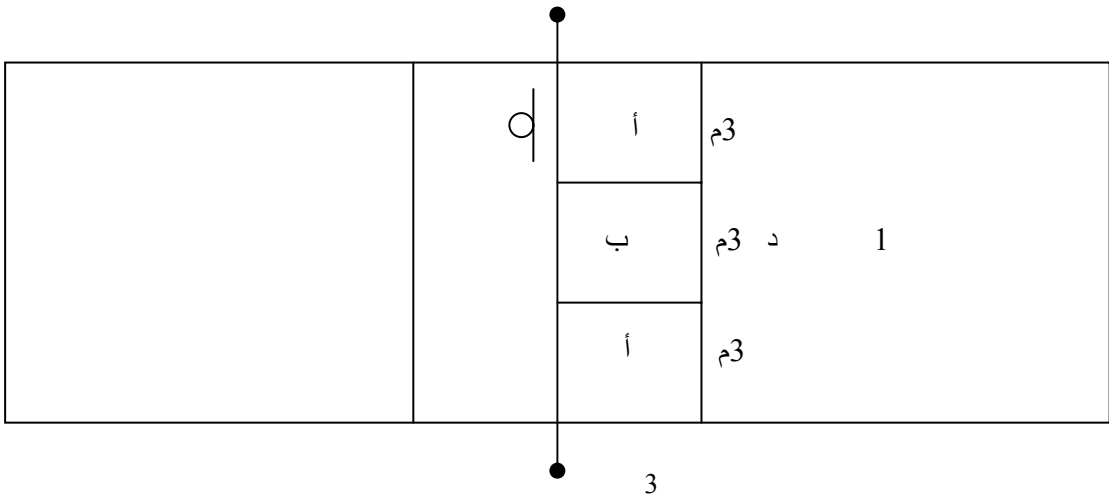
•

•

•

—

$$\cdot \quad (40)$$



(24)

(2)

-(1)

. (3) ( ) :

. (3) :

(7) :

5

. (25)

(3) :

.

: (10) -

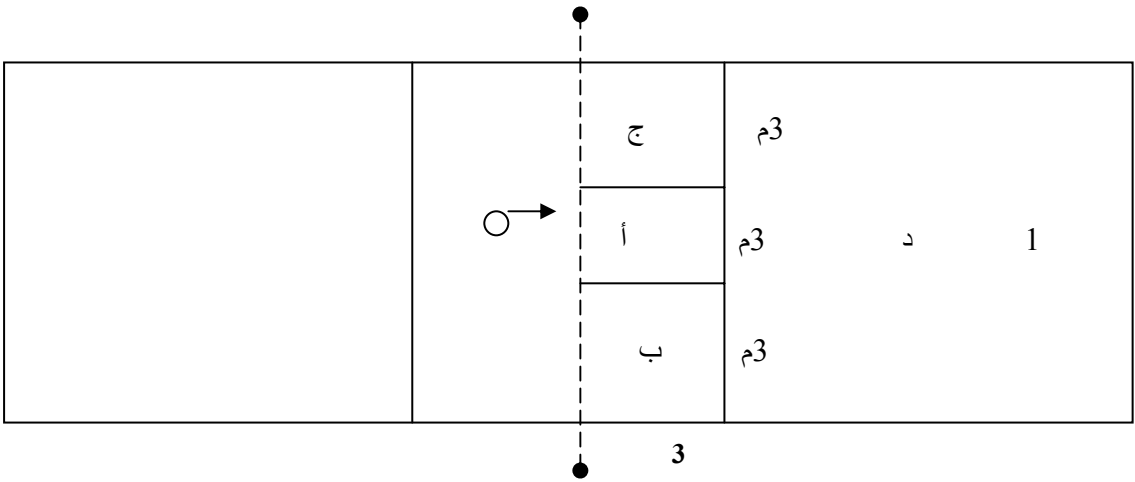
. ( ) 4

. ( ) 3

. 36 \_\_\_\_\_ (1)



( ) 2  
.( ) 1  
( )  
-  
-  
-:  
( 40 ) -



(25)

(3)

: 8-3

( 64 )

2009

.  
(32 )

2009/8/20 2009/7/20

(7 )

.  
( 7 )

	-	2009/7/20		1
	-	2009/7/23		
	-			
	-			

	- . - . - . -	2009/7/24  2009/7/27		2
	- . - . - .	2009/7/28  2009/7/31		3
	- . - . - .	2009/8/1  2009/8/4		4
	- . - . -	2009/8/5  2009/8/8		5

	.	-			
	.	-	2009/8/9		6
	.	-	2009/8/12		
	.	-			
	.	-			
	.	-			
	.	-	2009/8/13		7
	.	-	2009/8/16		
	.	-			
	.	-			
	.	-			
	.	-	2009/8/17		8
	.	-	2009/8/20		
	.	-			
	.	-			
	.	-			

$$\begin{aligned} & \vdots^{(1)} & \mathbf{9-3} \\ & & -1 \end{aligned}$$

$$= -$$

$$\sqrt{2(- - )} = -2$$

$$\begin{aligned} & \times & ( \quad ) & -3 \\ & & - \end{aligned}$$

$$\sqrt{\left[ \begin{array}{c} 2( \quad ) \\ - 2 \end{array} \right] \left[ \begin{array}{c} 2( \quad ) \\ - 2 \end{array} \right]} =$$

$$: \binom{2}{6} = -4$$

- 1 =

$$(1 - \epsilon^2)$$

- 5

$$+ = 8$$

-6

( SPSS ) -7

-8

—

$$=$$

-9

(1) . . . . .

$$=$$

**1**

•

(1)

. 258

2001

